

WASTE PROFILE

Perma-Fix Nuclear Services: DSSI * M&EC * Perma-Fix of Florida * Perma-Fix Northwest

Profile Number

Generator Information:

EPA ID#	MIK763469729
Generator Name	US EPA Region 5 (Texas Township Site)
Generator Address	10135 West O Avenue
City/State/Zip	Kalamazoo, MI 49009
Telephone	
Fax	

Billing Information:

☐ Electronic users: check here to copy Generator info, if same.

Broker/Site	Chase Environmental Group, Inc.
Address	109 Flint Road
City/ST/Zip	Oak Ridge, TN 37830
Telephone	865-481-8801
Fax	865-481-8818

Check all that apply

<input checked="" type="checkbox"/> Hazardous Waste - Include LDR-UHC Constituent Form	<input type="checkbox"/> TSCA Regulated PCB	<input checked="" type="checkbox"/> Radioactive Waste	<input type="checkbox"/> Non-Hazardous Waste
<input checked="" type="checkbox"/> Mercury >260 PPM	<input type="checkbox"/> PCB Bulk Products		<input type="checkbox"/> Universal Waste
<input type="checkbox"/> Oxidizers	<input type="checkbox"/> PCB Remediation Waste		<input type="checkbox"/> Used Oil Filter
<input type="checkbox"/> Elemental Mercury	<input type="checkbox"/> PCB Articles		<input type="checkbox"/> Used Oil
<input type="checkbox"/> Reactives - specify:			

Please provide a detailed description of the process that generated this waste. Attach additional sheets if needed.

Note: for a line break, press alt-return.

Waste consists of vermiculite, broken glass, soil, misc. debris from the clean-up of a chemical storage area after a fire.

US EPA RECORDS CENTER REGION 5



Characterization Method:

(check: ONE only)

☒ Laboratory Analysis ☐ MSDS ☐ Generator Knowledge

Physical Description:

(check: all that apply)

☒ Solid ☐ Liquid ☐ Sludge ☐ Debris ☐ Labpack (add inventory form)

☐ Other:

Volume: 55-gallon	Gross Weight:	Container Type: 55-gallon steel drum	Total Number of Containers: 1
(include units: 30 liters, 5 gal., etc.)	(include units: 75 lbs, 10 kg, etc.)		

Overpacked: ☐ Yes ☒ No

US DOT Hazardous Material: ☒ Yes ☐ No

Proper Shipping Name:

RQ, Waste, Toxic solid, inorganic, n.o.s.

DOT Hazard Class:

6.1 primary subsidiary

- ☒ This waste stream is subject to the Land Disposal Restriction of 40 CFR 268. (If checked, complete a Land Disposal Restriction Notification form)
- ☐ This waste stream contains Benzene. (If checked, complete the Benzene NESHAP Worksheet)
- ☐ This waste stream consists of off-spec used oil.
- ☐ This is a CERCLA waste.

For Broker Use Only

I certify the following:
The packages used to ship this material meet the requirements of 40 CFR 173 Subpart B (HazMat). This material will be inspected for consistency with the preapproved profile at the time of transportation.

Name

Date

CHEMICAL PROPERTIES AND COMPOSITION:

Percent Free Liquid: 0 % (None=0%, all=100%)	Percent Settled Solids: % (None=0%, all=100%)	Viscosity: Centistokes
pH Actual: NA OR Range: to	Specific Gravity Actual: OR Range: to	

CERTIFICATION

I certify that all hazards, known or suspected, have been disclosed on this profile. Further I understand that a surcharge may be imposed for any material which is rejected or requires additional handling due to the material being inconsistent with the profile, improper or damaged containers, or improper shipping documents.

- Any sample submitted is representative as defined in 40 CFR 261-Appendix I or is obtained using an equivalent method.
- I authorize Perma-Fix to obtain a sample from any waste shipment for purposes of verification.

Name: K. Cell	Title: QSC	Date: 1-28-09
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Perma-Fix Use Only

☐ Accepted ☐ Accepted with the following conditions:

☐ Rejected for the following reasons:

Designated Facility:

- ☐ DSSI
☐ M&EC
☐ PF Florida
☐ PFNW

Perma-Fix has all of the necessary permits and licenses for the waste that has been characterized and identified by this approved profile and accepted by Perma-Fix

Name: Texas Township - M&EC_1.xls	Title:	Date:
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RADIOACTIVE WASTE ADDENDUM
DSSI• M&EC• Perma-Fix of Florida• Perma-Fix Northwest
(Per Waste Stream)

[Help creating more of
these worksheets](#)

A. RADIOACTIVITY (per Waste Stream)

Radionuclides	Activity (mCi) *	Concentration
Ra-226		4.74 pCi/g
Ac-228		5.65 pCi/g
Th-228		9.82 pCi/g
Th-230		1.26 pCi/g
Th-232		7.05 pCi/g

* Not required for LSVs

Radionuclides	Activity (mCi) *	Concentration

Radionuclides	Activity (mCi) *	Concentration

SNM in grams: NP

Total Pu: NP

U-235: NP

U-233: NP

B. RADIATION LEVELS FROM OUTSIDE SURFACE OF PACKAGE(S):

Max: <0.5 mR/hr

Avg: mR/hr

☐ Check here if additional information concerning this **Waste Stream** is attached and indicate the number of attached pages:

How to Fill out this Form

What is a Waste Stream:

1. If there are different types of waste, there are different waste streams (i.e. liquids, soil, PPE are different waste streams)
2. Multiple containers of the same type of waste are considered part of one waste stream (i.e. 4 drums of LSV).
3.
 - a. Annual profiling is required by generator only, not by shipment or package.
 - b. Total types of radionuclides are to be listed. Total radioactivity is not required.
 - c. Each drum will be priced upon receipt according to established fee schedules. If there are questions, please contact Perma-Fix prior to shipping.

For each radionuclide in this particular Waste Stream, list the radionuclide (i.e. Cs-137) and the activity in millicuries, and the concentration or specific Activity (activity per unit mass).

Measure the outside of the package(s) and record the highest reading.

Help creating additional Rad Waste Addendum worksheets

1. With your mouse, move the cursor over the tab below which is marked **Rad Waste Addendum**.
2. Click using your right mouse button.
3. Select the option **Move or Copy...**
4. In the box **Before sheet:**, highlight **LDR**.
5. Also check the box labeled **Create a copy**.
6. Hit **OK**.
7. A duplicate worksheet will be created and it will be called **Rad Waste Addendum (2)**.
8. Repeat the above procedure as often as required.

**PERMA-FIX ENVIRONMENTAL SERVICES
WASTE CODE INFORMATION**

Please list all D,F,K,P, U and WA State codes that this waste carries. WA state codes for PFNW only.

EPA Hazardous Waste Codes				
D006				
D009				

ADDITIONAL CHEMICAL CONSTITUENT DISCLOSURE

List any known chemical components that are not reported elsewhere in the profile.

Attach additional sheets if necessary.

(Constituents should add up to 100%)

Chemical Constituents	Concen- tration	(Units)

Chemical Constituents	Concen- tration	(Units)

LAND DISPOSAL RESTRICTION & CERTIFICATION FORM

DSSI • M&EC • Perma-Fix of Florida • Perma-Fix Northwest

Generator Name US EPA Region 5 (Texas Township Site)
 Generator Address 10135 West O Avenue
 State Manifest No.

Generator USEPA ID No. MIK763469729
 City/ST/Zip Kalamazoo, MI 49009
 Manifest Doc. No.

Instructions

- 1 In Column 1 identify all USEPA hazardous waste codes that apply to this waste shipment.
- 2 In Column 2, choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
- 3 In Column 3, enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste can be treated using one of the alternative treatment technologies provided by 268.49(c) (soil) or 268.45 (debris).
- 4 In Column 4, circle the letter of the appropriate LDR management categories on the back of this form.
- 5 In Column 5, enter the Reference Number(s) from the LDR-UHC Constituent Table for any constituents subject to treatment in your waste stream.

Go to LDR-UHC Constituent Table

Manifest Line Item #	1. USEPA HAZARDOUS WASTE CODES	2. NWW or WW	3. SUBCATEGORY	4. HOW MUST THE WASTE BE MANAGED (Check one)																5. REFERENCE NUMBER(s) of Hazardous Constituents contained in the waste.
				A	B	C	D	E	F	G	H	Soil Only								
1	D006, D009	X NWW															Does		is subject to	
		WW															Does Not		complies with	
		NWW															Does		is subject to	
		WW															Does Not		complies with	
		NWW															Does		is subject to	
		WW															Does Not		complies with	
		NWW															Does		is subject to	
		WW															Does Not		complies with	

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Name filet Title OSE Date 11-28-09

- THIS RESTRICTED WASTE REQUIRES TREATMENT TO THE APPLICABLE STANDARD. This waste must be treated to the applicable performance based treatment standard set forth in 40CFR Part 268 Subpart C, 268.32, Subpart D, 268.40 or RCRA Section 3004(d) prior to land disposal.
- THIS HAZARDOUS DEBRIS MAY BE TREATED USING THE DEBRIS ALTERNATIVE TREATMENT STANDARDS OF 40 CFR 268.45. I certify under penalty of law that I personally have examined and am familiar with the waste and that the statement above is true and that this waste meets the definition of debris and can be treated using the alternate methods specified in 40 CFR 268.45. I am aware that there are significant penalties for submitting a false certification including possibility of fine or imprisonment.
- THIS RESTRICTED WASTE HAS BEEN TREATED TO THE APPLICABLE TREATMENT STANDARD(S). I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.
- THIS RESTRICTED DEBRIS HAS BEEN TREATED IN ACCORDANCE WITH 40 CFR 268.45. I certify under penalty of law that the debris has been treated in accordance with the requirements of 40 CFR 268.45. I am aware that there are significant penalties for making false certification, including the possibility of a fine and imprisonment.
- THIS LAB PACK DOES NOT CONTAIN ANY WASTES IDENTIFIED AT APPENDIX IV TO PART 268. I certify under penalty of law that I personally have examined and am familiar with the waste and that the statement above is true and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification including possibility of fine or imprisonment.
- THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC AND BEEN TREATED FOR UNDERLYING HAZARDOUS CONSTITUENTS. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting false certification, including the possibility of fine and imprisonment.
- THIS RESTRICTED WASTE IS SUBJECT TO AN EXEMPTION FROM LAND DISPOSAL. (Please include the date the waste is subject to the prohibitions in Column 5) This waste is subject to an exemption from a prohibition on the type of land disposal method utilized for the waste (such as, but not limited to, a case-by-case extension under 40 CFR Part 268.5, or an exemption under 40 CFR 268.6).
- THIS CONTAMINATED SOIL (DOES / DOES NOT) CONTAIN LISTED HAZARDOUS WASTE AND (DOES / DOES NOT) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND (IS SUBJECT TO / COMPLIES WITH) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE PROFILE

Perma-Fix Nuclear Services: DSSI * M&EC * Perma-Fix of Florida * Perma-Fix Northwest

Profile Number

Generator Information:

EPA ID#	MIK763489729
Generator Name	US EPA Region 5 (Texas Township Site)
Generator Address	10135 West O Avenue
City/State/Zip	Kalamazoo, MI 49009
Telephone	
Fax	

Billing Information:

<input type="checkbox"/> Electronic users: check here to copy Generator info, if same.	
Broker/Site	Chase Environmental Group, Inc.
Address	109 Flint Road
City/St/Zip	Oak Ridge, TN 37830
Telephone	865-481-8801
Fax	865-481-8818

Check all that apply

- | | | | |
|--|--|---|--|
| <input checked="" type="checkbox"/> Hazardous Waste - Include LDR-UHC Constituent Form | <input type="checkbox"/> TSCA Regulated PCB | <input checked="" type="checkbox"/> Radioactive Waste | <input type="checkbox"/> Non-Hazardous Waste |
| <input type="checkbox"/> Mercury >260 PPM | <input type="checkbox"/> PCB Bulk Products | | <input type="checkbox"/> Universal Waste |
| <input type="checkbox"/> Elemental Mercury | <input type="checkbox"/> PCB Remediation Waste | | <input type="checkbox"/> Used Oil Filter |
| <input type="checkbox"/> Reactives - specify: <input type="text"/> | <input type="checkbox"/> PCB Articles | | <input type="checkbox"/> Used Oil |

Please provide a detailed description of the process that generated this waste. Attach additional sheets if needed.

Note: for a line break, press alt-return.

Waste consists of vermiculite, broken glass, soil, misc. debris from the clean-up of a chemical storage area after a fire.

Characterization Method:

(check ONE only)

- ☒ Laboratory Analysis ☐ MSDS ☐ Generator Knowledge

Physical Description:

(check all that apply)

- ☒ Solid ☐ Liquid ☐ Sludge ☐ Debris ☐ Labpack (add inventory form)

☐ Other:

Volume: <input type="text" value="55-gallons"/>	Gross Weight: <input type="text"/>	Container Type: <input type="text" value="55-gallon steel drum"/>	Total Number of Containers: <input type="text" value="2"/>
(include units: 30 liters, 5 gal., etc)	(include units: 75 lbs, 10 kg, etc.)		

Overpacked: ☐ Yes ☒ No

US DOT Hazardous Material: ☒ Yes ☐ No

Proper Shipping Name:

RQ, Waste, Toxic solid, inorganic, n.o.s.

DOT Hazard Class:

primary subsidiary

- ☒ This waste stream is subject to the Land Disposal Restriction of 40 CFR 268.
(If checked, complete a Land Disposal Restriction Notification form)
- ☐ This waste stream contains Benzene.
(If checked, complete the Benzene NESHAP Worksheet)
- ☐ This waste stream consists of off-spec used oil.
- ☐ This is a CERCLA waste.

For Broker Use Only

I certify the following:

The packages used to ship this material meet the requirements of 40 CFR 173 Subpart B (HazMat). This material will be inspected for consistency with the preapproved profile at the time of transportation.

Name

Date

CHEMICAL PROPERTIES AND COMPOSITION:

Percent Free Liquid: <input type="text" value="0"/> % (None=0%, all=100%)	Percent Settled Solids: <input type="text"/> % (None=0%, all=100%)	Viscosity: <input type="text"/> Centistokes
pH Actual: <input type="text" value="NA"/> OR Range: <input type="text"/> to <input type="text"/>	Specific Gravity Actual: <input type="text"/> OR Range: <input type="text"/> to <input type="text"/>	

CERTIFICATION

I certify that all hazards, known or suspected, have been disclosed on this profile. Further I understand that a surcharge may be imposed for any material which is rejected or requires additional handling due to the material being inconsistent with the profile, improper or damaged containers, or improper shipping documents.

- Any sample submitted is representative as defined in 40 CFR 261-Appendix I or is obtained using an equivalent method.
- I authorize Perma-Fix to obtain a sample from any waste shipment for purposes of verification.

Name: <input type="text" value="P. C. Hall"/>	Title: <input type="text" value="D.S.C."/>	Date: <input type="text" value="1-28-09"/>
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Perma-Fix Use Only

- ☐ Accepted ☐ Accepted with the following conditions:

- ☐ Rejected for the following reasons:

Designated Facility:

- ☐ DSSI
☐ M&EC
☐ PF Florida
☐ PFNW

Perma-Fix has all of the necessary permits and licenses for the waste that has been characterized and identified by this approved profile and accepted by Perma-Fix.

Name: <input type="text" value="Texas Township - PF_1.xls"/>	Title: <input type="text"/>	Date: <input type="text"/>
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RADIOACTIVE WASTE ADDENDUM
DSSI• M&EC• Perma-Fix of Florida• Perma-Fix Northwest
(Per Waste Stream)

[Help creating more of
these worksheets](#)

A. RADIOACTIVITY (per Waste Stream)

Radionuclides	Activity (mCi) *	Concentration
Ra-226		2.10E+2 pCi/g
Th-232		4.04E+01 pCi/g
U-235		1.28E+01 pCi/g
U-238		7.12E+02 pCi/g

Radionuclides	Activity (mCi) *	Concentration

Radionuclides	Activity (mCi) *	Concentration

* Not required for LSVs

SNM in grams:

Total Pu:

U-235:

U-233:

B. RADIATION LEVELS FROM OUTSIDE SURFACE OF PACKAGE(S):

Max: mR/hr

Avg: mR/hr

☐ Check here if additional information concerning this Waste Stream is attached and indicate the number of attached pages:

How to Fill out this Form

What is a Waste Stream:

1. If there are different types of waste, there are different waste streams (i.e. liquids, soil, PPE are different waste streams)
2. Multiple containers of the same type of waste are considered part of one waste stream (i.e. 4 drums of LSV).
3.
 - a. Annual profiling is required by generator only, not by shipment or package.
 - b. Total types of radionuclides are to be listed. Total radioactivity is not required.
 - c. Each drum will be priced upon receipt according to established fee schedules. If there are questions, please contact Perma-Fix prior to shipping.

For each radionuclide in this particular Waste Stream, list the radionuclide (i.e. Cs-137) and the activity in millicuries, and the concentration or specific Activity (activity per unit mass).

Measure the outside of the package(s) and record the highest reading.

Help creating additional Rad Waste Addendum worksheets

1. With your mouse, move the cursor over the tab below which is marked **Rad Waste Addendum**.
2. Click using your right mouse button.
3. Select the option **Move or Copy...**
4. In the box **Before sheet:**, highlight **LDR**.
5. Also check the box labeled **Create a copy**.
6. Hit **OK**.
7. A duplicate worksheet will be created and it will be called **Rad Waste Addendum (2)**.
8. Repeat the above procedure as often as required.

**PERMA-FIX ENVIRONMENTAL SERVICES
WASTE CODE INFORMATION**

Please list all D,F,K,P, U and WA State codes that this waste carries. WA state codes for PFNW only.

EPA Hazardous Waste Codes				
D007				
D008				

ADDITIONAL CHEMICAL CONSTITUENT DISCLOSURE

List any known chemical components that are not reported elsewhere in the profile.

Attach additional sheets if necessary.

(Constituents should add up to 100%)

Chemical Constituents	Concen- tration	(Units)

Chemical Constituents	Concen- tration	(Units)

LAND DISPOSAL RESTRICTION & CERTIFICATION FORM

DSSI • M&EC • Perma-Fix of Florida • Perma-Fix Northwest

Generator Name US EPA Region 5 (Texas Township Site)
 Generator Address 10135 West O Avenue
 State Manifest No.

Generator USEPA ID No. MIK763469729
 City/ST/Zip Kalamazoo, MI 49009
 Manifest Doc. No.

Instructions

- 1 In Column 1 identify all USEPA hazardous waste codes that apply to this waste shipment.
- 2 In Column 2, choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
- 3 In Column 3, enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste can be treated using one of the alternative treatment technologies provided by 268.49(c) (soil) or 268.45 (debris).
- 4 In Column 4, circle the letter of the appropriate LDR management categories on the back of this form.
- 5 In Column 5, enter the Reference Number(s) from the LDR-UHC Constituent Table for any constituents subject to treatment in your waste stream.

Go to LDR-UHC Constituent Table

Manifest Line Item #	1. USEPA HAZARDOUS WASTE CODES	2. NWW or WW	3. SUBCATEGORY	4. HOW MUST THE WASTE BE MANAGED (Check one)											5. REFERENCE NUMBER(s) of Hazardous Constituents contained in the waste.		
				A	B	C	D	E	F	G	H	Soil Only					
1	D007, D008	X NWW												Does		is subject to	
		Does Not													complies with		
		NWW												Does		is subject to	
		Does Not													complies with		
		NWW												Does		is subject to	
		Does Not													complies with		
		NWW												Does		is subject to	
		Does Not													complies with		
		NWW												Does		is subject to	
		Does Not													complies with		

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Name Perma-Fix Title DSSI Date 1-28-99

- THIS RESTRICTED WASTE REQUIRES TREATMENT TO THE APPLICABLE STANDARD. This waste must be treated to the applicable performance based treatment standard set forth in 40CFR Part 268 Subpart C, 268.32, Subpart D, 268.40 or RCRA Section 3004(d) prior to land disposal.
- THIS HAZARDOUS DEBRIS MAY BE TREATED USING THE DEBRIS ALTERNATIVE TREATMENT STANDARDS OF 40 CFR 268.45. I certify under penalty of law that I personally have examined and am familiar with the waste and that the statement above is true and that this waste meets the definition of debris and can be treated using the alternate methods specified in 40 CFR 268.45. I am aware that there are significant penalties for submitting a false certification, including possibility of fine or imprisonment.
- THIS RESTRICTED WASTE HAS BEEN TREATED TO THE APPLICABLE TREATMENT STANDARD(S). I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.
- THIS RESTRICTED DEBRIS HAS BEEN TREATED IN ACCORDANCE WITH 40 CFR 268.45. I certify under penalty of law that the debris has been treated in accordance with the requirements of 40 CFR 268.45. I am aware that there are significant penalties for making false certification, including the possibility of a fine and imprisonment.
- THIS LAB PACK DOES NOT CONTAIN ANY WASTES IDENTIFIED AT APPENDIX IV TO PART 268. I certify under penalty of law that I personally have examined and am familiar with the waste and that the statement above is true and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification including possibility of fine or imprisonment.
- THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- THIS RESTRICTED WASTE HAS BEEN TREATED TO REMOVE THE HAZARDOUS CHARACTERISTIC AND BEEN TREATED FOR UNDERLYING HAZARDOUS CONSTITUENTS. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting false certification, including the possibility of fine and imprisonment.
- THIS RESTRICTED WASTE IS SUBJECT TO AN EXEMPTION FROM LAND DISPOSAL. (Please include the date the waste is subject to the prohibitions in Column 5) This waste is subject to an exemption from a prohibition on the type of land disposal method utilized for the waste (such as, but not limited to, a case-by-case extension under 40 CFR Part 268.5, or an exemption under 40 CFR 268.6.
- THIS CONTAMINATED SOIL (DOES / DOES NOT) CONTAIN LISTED HAZARDOUS WASTE AND (DOES / DOES NOT) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND (IS SUBJECT TO / COMPLIES WITH) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Resource Guide
Underlying Hazardous Constituent (UHC)
Land Disposal Restriction (LDR) Constituents

Ref #:	Hazardous Constituent	CAS NO.	NWW (mg/kg)	WW (mg/kg)	Concentration			
					11a	11b	11c	11d
1	Acenaphthene	83-32-9	3.4	0.059				
2	Acenaphthylene	208-96-8	3.4	0.059				
3	Acetone	67-64-1	160	0.28				
4	Acetonitrile	75-05-8	38	5.6				
5	Acetophenone	96-86-2	9.7	0.01				
6	2-Acetylaminofluorene	53-96-3	140	0.059				
7	Acrolein	107-02-8	NA	0.29				
8	Acrylonitrile	107-13-1	84	0.24				
9	Acrylamide	79-06-1	23	19				
10	Aldrin	309-00-2	0.066	0.021				
11	4-Aminobiphenyl	92-67-1	NA	0.13				
12	Aniline	62-53-3	14	0.81				
13	Anthracene	120-12-7	3.4	0.059				
14	Aramite	140-57-8	NA	0.36				
15	alpha-BHC	319-84-6	0.066	0.00014				
16	beta-BHC	319-85-7	0.066	0.00014				
17	delta-BHC	319-86-8	0.066	0.023				
18	gamma-BHC (Lindane)	58-89-9	0.066	0.0017				
19	Benz(a)anthracene	56-55-3	3.4	0.059				
20	Benzal chloride	98-87-3	6	0.055				
21	Benzene	71-43-2	10	0.14				
22	Benzo(a)pyrene	50-32-8	3.4	0.061				
23	Benzo(b)fluoranthene	205-99-2	6.8	0.11				
24	Benzo(k)fluoranthene	207-08-9	6.8	0.11				
25	Benzo(g,h,i)perylene	191-24-2	1.8	0.0055				
26	bis(2-Chloroethoxy)methane	111-91-1	7.2	0.036				
27	bis(2-Chloroethyl)ether	111-44-4	6	0.033				
28	bis(2-Chloroisopropyl) ether	39638-32-9	7.2	0.055				
30	Bromodichloromethane	75-27-4	15	0.35				
31	Bromomethane (Methyl bromide)	74-83-9	15	0.11				
32	4-Bromophenyl phenyl ether	101-55-3	15	0.055				
33	n-Butyl alcohol	71-36-3	2.6	5.6				
34	Butyl benzyl phthalate	85-68-7	28	0.017				
35	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	2.5	0.066				
36	Carbon disulfide	75-15-0	4.8*	3.8				
37	Carbon tetrachloride	56-23-5	6	0.057				
38	Chlordane (alpha and gamma isomers)	57-74-9	0.26	0.0033				
39	p-Chloroaniline	106-47-8	16	0.46				
40	Chlorobenzene	108-90-7	6	0.057				
41	Chlorobenzilate	510-15-6	NA	0.1				
42	2-Chloro-1, 3-butadiene (Chloroprene)	126-99-8	0.28	0.057				
43	Chlorodibromomethane	124-48-1	15	0.057				
44	Chloroethane	75-00-3	6	0.27				
45	Chloroform	67-66-3	6	0.046				
46	p-Chloro-m-cresol	59-50-7	14	0.018				
47	2-Chloroethyl vinyl ether	110-75-8	NA	0.062				
48	Chloromethane (Methyl chloride)	74-87-3	30	0.19				
49	2-Chloronaphthalene	91-58-7	5.6	0.055				
50	2-Chlorophenol	95-57-8	5.7	0.044				
51	3-Chloropropylene (Allyl Chloride)	107-05-1	30	0.036				
52	Chrysene	218-01-9	3.4	0.059				

Ref #:	Hazardous Constituent	CAS NO.	NWW (mg/kg)	WW (mg/kg)	Concentration			
					11a	11b	11c	11d
53	o-Cresol (2-Methyl phenol)	95-48-7	5.6	0.11				
54	m-Cresol (3-Methyl phenol)	108-39-4	5.6	0.77				
55	p-Cresol (4-Methyl phenol)	106-44-5	5.6	0.77				
56	Cyclohexanone	108-94-1	0.75 *	0.36				
57	o,p'-DDD	53-19-0	0.087	0.023				
58	p,p'-DDD	72-54-8	0.087	0.023				
59	o,p'-DDE	3424-82-6	0.087	0.031				
60	p,p'-DDE	72-55-9	0.087	0.031				
61	o,p'-DDT	789-02-6	0.087	0.0039				
62	p,p'-DDT	50-29-3	0.087	0.0039				
63	Dibenz(a,h)anthracene	53-70-3	8.2	0.055				
64	Dibenz(a,e)pyrene	192-65-4	NA	0.061				
65	1,2-Dibromo-3-chloropropane	96-12-8	15	0.11				
66	1,2-Dibromoethane (Ethylene dibromide)	106-93-4	15	0.028				
67	Dibromomethane	74-95-3	15	0.11				
68	m-Dichlorobenzene (1,3-Dichlorobenzene)	541-73-1	6	0.036				
69	o-Dichlorobenzene (1,2-Dichlorobenzene)	95-50-1	6	0.088				
70	p-Dichlorobenzene (1,4-Dichlorobenzene)	106-46-7	6	0.09				
71	Dichlorodifluoromethane	75-71-8	7.2	0.23				
72	1,1-Dichloroethane	75-34-3	6	0.059				
73	1,2-Dichloroethane	107-06-2	6	0.21				
74	1,1-Dichloroethylene	75-35-4	6	0.025				
75	trans-1,2-Dichloroethylene	156-60-5	30	0.054				
76	2,4-Dichlorophenol	120-83-2	14	0.044				
77	2,6-Dichlorophenol	87-65-0	14	0.044				
78	2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	10	0.72				
79	1,2-Dichloropropane	78-87-5	18	0.85				
80	cis-1,3-Dichloropropylene	10061-01-5	18	0.036				
81	trans-1,3-Dichloropropylene	10061-02-6	18	0.036				
82	Dieldrin	60-57-1	0.13	0.017				
83	Diethyl phthalate	84-66-2	28	0.2				
84	p-Dimethylaminoazobenzene	60-11-7	NA	0.13				
85	2,4-Dimethyl phenol	105-67-9	14	0.036				
86	Dimethyl phthalate	131-11-3	28	0.047				
87	Di-n-butyl phthalate	84-74-2	28	0.057				
88	1,4-Dinitrobenzene	100-25-4	2.3	0.32				
89	4,6-Dinitro-o-cresol	534-52-1	160	0.28				
90	2,4-Dinitrophenol	51-28-5	160	0.12				
91	2,4-Dinitrotoluene	121-14-2	140	0.32				
92	2,6-Dinitrotoluene	606-20-2	28	0.55				
93	Di-n-octyl phthalate	117-84-0	28	0.017				
94	Di-n-propylnitrosamine	621-64-7	14	0.4				
95	1,4-Dioxane	123-91-1	170	12				
96	Diphenylamine	122-39-4	13	0.92				
97	Diphenylnitrosamine	86-30-6	13	0.92				
98	1,2-Diphenylhydrazine	122-66-7	NA	0.087				
99	Disulfoton	298-04-3	6.2	0.017				
100	Endosulfan I	959-98-9	0.066	0.023				
101	Endosulfan II	33213-65-9	0.13	0.029				
102	Endosulfan sulfate	1031-07-8	0.13	0.029				
103	Endrin	72-20-8	0.13	0.0028				
104	Endrin aldehyde	7421-93-4	0.13	0.025				
105	2-Ethoxyethanol (FO05)+			INCIN				
106	Ethyl acetate	141-78-6	33	0.34				
107	Ethyl benzene	100-41-4	10	0.057				

Ref #:	Hazardous Constituent	CAS NO.	NWW (mg/kg)	WW (mg/kg)	Concentration			
					11a	11b	11c	11d
108	Ethyl ether	60-29-7	160	0.12				
109	Ethyl methacrylate	97-63-2	160	0.14				
110	Ethylene oxide	75-21-8	NA	0.12				
111	Famphur	52-85-7	15	0.017				
112	Fluoranthene	206-44-0	3.4	0.068				
113	Fluorene	86-73-7	3.4	0.059				
114	Heptachlor	76-44-8	0.066	0.0012				
115	Heptachlor epoxide	1024-57-3	0.066	0.016				
116	Hexachlorobenzene	118-74-1	10	0.055				
117	Hexachlorobutadiene	87-68-3	5.6	0.055				
118	Hexachlorocyclopentadiene	77-47-4	2.4	0.057				
119	HxCDDs (All Hexachlorodibenzo-p-dioxin)	NA	0.001	0.000063				
120	HxCDFs (All Hexachlorodibenzofurans)	NA	0.001	0.000063				
121	Hexachloroethane	67-72-1	30	0.055				
122	Hexachloropropylene	1888-71-7	30	0.035				
123	Indeno (1,2,3-c,d) pyrene	193-39-5	3.4	0.0055				
124	Iodomethane	74-88-4	65	0.19				
125	Isobutyl alcohol (Isobutanol)	78-83-1	170	5.6				
126	Isodrin	465-73-6	0.066	0.021				
127	Isosafrole	120-58-1	2.6	0.081				
128	Kepone	143-50-0	0.13	0.0011				
129	Methacrylonitrile	126-98-7	84	0.24				
130	Methanol	67-56-1	0.75 *	5.6				
131	Methapyriline	91-80-5	1.5	0.081				
132	Methoxychlor	72-43-5	0.18	0.25				
133	3-Methylchloroanthrene	56-49-5	15	0.0055				
134	4,4-Methylene bis (2-chloroaniline)	101-14-4	30	0.5				
135	Methylene chloride	75-09-2	30	0.089				
136	Methyl ethyl ketone	78-93-3	36	0.28				
137	Methyl isobutyl ketone	108-10-1	33	0.14				
138	Methyl methacrylate	80-62-6	160	0.14				
139	Methyl methanesulfonate	66-27-3	NA	0.018				
140	Methyl parathion	298-00-0	4.6	0.014				
141	Naphthalene	91-20-3	5.6	0.059				
142	2-Naphthylamine	91-59-8	N/A	0.52				
143	o- Nitroaniline	88-74-4	14	0.27				
144	p-Nitroaniline	100-01-6	28	0.028				
145	Nitrobenzene	98-95-3	14	0.068				
146	5-Nitro-o-toluidine	99-55-8	28	0.32				
147	o-Nitrophenol	88-75-5	13	0.028				
148	p-Nitrophenol	100-02-7	29	0.12				
149	2-Nitropropane (FO05)+			INCIN				
150	N-Nitrosodiethylamine	55-18-5	28	0.4				
151	N-Nitrosodimethylamine	62-75-9	2.3	0.4				
152	N-Nitroso-di-n-butylamine	924-16-3	17	0.4				
153	N-Nitrosomethylethylamine	10595-95-6	2.3	0.4				
154	N-Nitrosomorpholine	59-89-2	2.3	0.4				
155	N-Nitrosopiperidine	100-75-4	35	0.013				
156	N-Nitrosopyrrolidine	930-55-2	35	0.013				
157	Parathion	56-38-2	4.6	0.014				
158	Total PCBs	1336-36-3	10	0.1				
159	Pentachlorobenzene	608-93-5	10	0.055				
160	PeCDDs (All Pentachlorodibenzo-p-dioxin)	NA	0.001	0.000063				
161	PeCDFs (All Pentachlorodibenzofurans)	NA	0.001	0.000035				
162	Pentachloroethane	76-01-7	6	0.055				

Ref #:	Hazardous Constituent	CAS NO.	NWW (mg/kg)	WW (mg/kg)	Concentration			
					11a	11b	11c	11d
163	Pentachloronitrobenzene	82-68-8	4.8	0.055				
164	Pentachlorophenol	87- 86-5	7.4	0.089				
165	Phenacetin	62-44-2	16	0.081				
166	Phenanthrene	85-01-8	5.6	0.059				
167	Phenol	108-95-2	6.2	0.039				
168	Phorate	298-02-2	4.6	0.021				
169	Phthalic acid	100-21-0	28	0.055				
170	Phthalic anhydride	85-44-9	28	0.055				
171	Pronamide	23950-58-5	1.5	0.093				
172	Propanenitrile (Ethyl cyanide)	107-12-0	360	0.24				
173	Pyrene	129-00-0	8.2	0.067				
174	Pyridine	110-86-1	16	0.014				
175	Safrole	94-59-7	22	0.081				
176	Silvex (2,4,5-TP)	93-72-1	7.9	0.72				
177	1,2,4,5-Tetrachlorobenzene	95-94-3	14	0.055				
178	TCDDs (All Tetachlorodibenzo-p-dioxins)	NA	0.001	0.000063				
179	TCDFs (All Tetrachlorodibenzofurans)	NA	0.001	0.000063				
180	1,1,1,2-Tetrachloroethane	630-20-6	6	0.057				
181	1, 1,2,2-Tetrachloroethane	79-34-5	6	0.057				
182	Tetrachloroethylene	127-18-4	6	0.056				
183	2,3,4,6-Tetrachlorophenol	58-90-2	7.4	0.03				
184	Toluene	108-88-3	10	0.08				
185	Toxaphene	8001-35-2	2.6	0.0095				
186	Tribromomethane (Bromoform)	75-25-2	15	0.63				
187	1,2,4-Trichlorobenzene	120-82-1	19	0.055				
188	1, 1, 1 -Trichloroethane	71-55-6	6	0.054				
189	1, 1,2-Trichloroethane	79-00-5	6	0.054				
190	Trichloroethylene	79-01-6	6	0.054				
191	Trichloromonofluoromethane	75-69-4	30	0.02				
192	2,4,5-Trichlorophenol	95-95-4	7.4	0.18				
193	2,4,6-Trichlorophenol	88-06-2	7.4	0.035				
194	2,4,5-Trichlorophenoxyacetic acid/2,4,5-	93-76-5	7.9	0.72				
195	1,2,3-Trichloropropane	96-18-4	30	0.85				
196	1,1,2-Trichloro- 2,2,2-trifluoroethane	76-13-1	30	0.057				
197	tris-(2,3-Dibromopropyl) phosphate	126-72-7	0.1	0.011				
198	Vinyl chloride	75-01-4	6	0.27				
199	Xylenes	1330-20-7	30	0.32				
200	Antimony	7440-36-0	1.15*	1.9				
201	Arsenic	7440-38-2	5.0 *	1.4				
202	Barium	7440-39-3	21 *	1.2				
203	Beryllium	7440-41-7	1.22 *	0.82				
204	Cadmium	7440-43-9	0.11 *	0.69				
205	Chromium (Total)	7440-47-3	0.60 *	2.77				
206	Cyanides (Total)	57-12-5	590	1.2				
207	Cyanides (Amenable)	57-12-5	30	0.86				
208	Fluoride	16984-48-8	NA	35				
209	Lead	7439-92-1	0.75 *	0.69				
210	Mercury (retort residues)	7439-97-6	0.2 *	NA				
211	Mercury (all others)	7439-97-6	0.025 *	0.15				
212	Nickel	7440-02-0	11 *	3.98				
213	Selenium	7782-49-2	5.7 *,**	0.82				
214	Silver	7440-22-4	0.14	0.43				
215	Sulfide	18496-25-8	NA	14				
216	Thallium	7440-28-0	0.2	1.4				
217	Vanadium	7440-62-2	1.6*,**	4.3				

Ref #:	Hazardous Constituent	CAS NO.	NWW (mg/kg)	WW (mg/kg)	Concentration			
					11a	11b	11c	11d
218	Zinc	7440-66-6	4.3* **	2.61				
220	Aldicarb sulfone	1646-88-4	0.28	0.056				
221	Barban	101-27-9	1.4	0.056				
222	Bendiocarb	22781-23-3	1.4	0.056				
224	Benomyl	17804-35-2	1.4	0.056				
225	Butylate	2008-41-5	1.4	0.042***				
226	Carbaryl	63-25-2	0.14	0.006				
227	Carbenzadim	10605-21-7	1.4	0.056				
228	Carbofuran	1563-66-2	0.14	0.006				
229	Carbofuran phenol	1563-38-8	1.4	0.056				
230	Carbosulfan	55285-14-8	1.4	0.028				
231	m-Cumenyl methylcarbamate	64-00-6	1.4	0.056				
233	Diethylene glycol, dicarbamate	5952-26-1	1.4	0.056				
235	Dithiocarbamates (total)	137-30-4	28	0.028				
236	EPTC	759-94-4	1.4	0.042				
237	Formetanate hydrochloride	23422-53-9	1.4	0.056				
241	Methiocarb	2032-65-7	1.4	0.056				
242	Methomyl	16752-77-5	0.14	0.028				
243	Metolcarb	1129-41-5	1.4	0.056				
244	Mexacarbate	315-18-4	1.4	0.056				
245	Molinate	2212-67-1	1.4	0.042				
246	Oxamyl	23135-22-0	0.28	0.056				
247	Pebulate	1114-71-2	1.4	0.042				
249	Physostigmine	57-47-6	1.4	0.056				
250	Physostigmine salicylate	57-64-7	1.4	0.056				
251	Promecarb	2631-37-0	1.4	0.056				
252	Propham	122-42-9	1.4	0.056				
253	Propoxur	114-26-1	1.4	0.056				
254	Prosulfocarb	52888-80-9	1.4	0.042				
255	Thiodicarb	59669-26-0	1.4	0.019				
256	Thiophanate-methyl	23564-05-8	1.4	0.056				
258	Triallate	2303-17-5	1.4	0.042				
259	Triethylamine	101-44-8	1.5	0.081				
260	Vernolate	1929-77-7	1.4	0.042				

* "Concentration in mg/l TCLP"

** Not Underlying Hazardous Constituents. (See 60 FR, Jan. 3, 1995)

*** The preamble to the final rule (61 FR 15584) clearly indicates that the wastewater treatment standard for thiocarbamate constituents has been revised to 0.042mg/l. However, the §268.48 universal treatment standards table still shows 0.003 mg/l.

‡ These UTS levels are effective on August 24, 1998 as established in 63 FIR 28556-28753, the finalized Phase IV-Part 2 land disposal restrictions (LDR) rule.



Requested Disposal Facility:

Select a Facility

Waste Profile #

Saveable fill in form. Restricted printing until all required (yellow) fields are completed.

I. Generator Information

Sales Rep #

Generator Name: USEPA / Texas Township Drum			
Generator Site Address: 10135 West O Ave			
City: Kalamazoo	County:	State: Select a State	Zip: 49009
State ID/Reg No:	State Approval/Waste Code: (If applicable)		NAICS #:
Generator Mailing Address (if different): 9311 Gosh Rd			
City: Grosse Ile	County: Wayne	State: Select a State	Zip: 48138
Generator Contact Name: P.C. Lall		Email: parlap.lall@epa.gov	
Phone Number: 734/612-7685	Ext:	Fax Number: 734/612-7677	

IIa. Transporter Information

Transporter Name:		Contact Name:	
Transporter Address:			
City:	County:	State:	Zip:
Phone Number:	Fax Number:	State Transportation Number:	

IIb. Billing Information

Bill To: Environmental Quality Mgmt, Inc	Contact Name: Steve Letany
Billing Address: 1800 Carillon Blvd	Email: sletany@eqm.com
City: Cincinnati	State: OH
Zip: 45240	Phone: 800/500-0575

III. Waste Stream Information

Name of Waste: Non-Haz Soil	
Process Generating Waste: USEPA CERCLA cleanup soil from under barn that caught fire + burned down. This soil is from underneath concrete pad that the barn was on. Barn contained drum of misc waste that was dealt w/ separately	
Physical State:	<input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> POWDER <input type="checkbox"/> LIQUID
Method of Shipment:	<input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER:
Estimated Annual Volume:	120 Ton Select Volume Type
Frequency:	<input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ANNUAL
Disposal Consideration:	<input checked="" type="checkbox"/> LANDFILL <input type="checkbox"/> SOLIDIFICATION <input type="checkbox"/> BIOREMEDIATION

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?

☒ YES or ☐ NO

Sample Date: 6/17/09

Type of Sample: ☒ COMPOSITE SAMPLE ☐ GRAB SAMPLE

Sample ID Numbers: Oatier 061709-15-SL

Oatier 061709-16-SL

Oatier 061709-17-SL

Oatier 061709-18-SL

Oatier 061709-19-SL



Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. Soil	100
2.	
3.	
4.	
5.	

Color	Odor (describe)	Does Waste Contain Free Liquids?	% Solids	pH:	Flash Point
Brown	None	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No	100	5-7	>200 °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste a reactive or heat generating waste?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does the waste contain sulfur or sulfur by-products?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?	<input checked="" type="checkbox"/> Yes or <input type="checkbox"/> No
Is this waste from a TSD facility, TSD-like facility or waste consolidator?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither I nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

Authorized Representative Name/Title (Type or Print)

Company Name

Authorized Representative Signature

Date

Confirmation Report - Memory Send

Page : 001
Date & Time: 06-26-09 10:47am
Line 1 : +734 692 7677
Machine ID : US EPA RS/1

Job number : 502
Date : 06-26 10:46am
To : 915138259728
Number of pages : 003
Start time : 06-26 10:46am
End time : 06-26 10:47am
Pages sent : 003
Status : OK

Job number : 502

*** SEND SUCCESSFUL ***

United States Environmental Protection Agency
Region 5
Emergency Response Branch
Response Section 1, SE-GI
9311 Groh Road, Grosse Ile, MI 48138
Verification No.: 734-692-7660
Facsimile No.: 734-692-7677

FACSIMILE COVER SHEET

DATE: 6-26-09
TO: Steve Letang
OFFICE: EAM
FAX NO: 513 825-9728
FROM: Kell
NO. PAGES: 3 (INCLUDING COVER SHEET)
COMMENTS:



"Steve Letany"
<sletany@eqm.com>

06/24/2009 10:29 PM

To

Subject Texas Township Drum

Profile for you review and approval please email the signed profile and analytical with lab signature and coc to tmoore@republicservices.com

Steve Letany
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, Ohio 45240
513-825-7500 voice
513-825-7495 fax

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**GENERATOR WASTE PROFILE SHEET**

Page 1 of 2

Requested Disposal Facility: -- Select a Facility --
an Allied Waste Company

Waste Profile #

AWI Sales Rep:

Date: 12/12/2008

I. Generator Information

Generator Name: USEPA/Texas Township Drum Site			
Generator Site Address: 10135 West O Ave.			
City: Kalamazoo/49009	County:	State: Michigan	Zip: 49009
State ID/Reg No:	State Approval/Waste Code: (if applicable)		SIC Code:
Generator Mailing Address (if different): 10135 West O Ave.			
City: Kalamazoo/49009	County:	State: Michigan	Zip: 49009
Generator Contact Name: P.C. Lall		Email: lall.partap@epa.gov	
Phone Number: (734) 692-7685		Fax Number: (734) 692-7677	

IIa. Transporter Information

Transporter Name: Allied Waste		Contact Name:	
Transporter Address: G-5305 North Dort Hwy			
City:	County:	State:	Zip:
Phone Number:	Fax Number:	State Transportation Number:	

IIb. Billing Information

Bill To: Environmental Quality Management		Contact Name: Steve Letany	
Billing Address: 1800 Carillon Blvd		Email: sletany@eqm.com	
City: Cincinnati	State: OH	Zip: 45240	Phone: (800) 500-0575 Fax: (513) 825-9728

III. Waste Stream Information

Name of Waste: Non Hazardous Soil	
Process Generating Waste: USEPA Cercla site, a privately owned barn in which the owner illegally stored lab pak waste. The barn burnt down. the owner tried to hide the burnt drums by burying them. The EPA dug the drums up and disposed of them as lab pak waste. This is the soil that was used by the owner to cover the drums. It has no waste containers in it.	
Type of Waste	<input type="checkbox"/> INDUSTRIAL PROCESS WASTE or <input type="checkbox"/> POLLUTION CONTROL WASTE
Physical State:	<input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> POWDER <input type="checkbox"/> LIQUID <input type="checkbox"/> OTHER: _____
Method of Shipment:	<input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER: _____
Estimated Annual Volume:	35 Tons
Frequency:	<input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ON GOING
Special Handling Instructions: A portion of the waste will be shipped in Young's boxes, Allied will haul the remainder	

IV. Representative Sample Certification☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules? If testing is older than one year, please explain how it is still representative of the waste. Please add a letter of explanation from the generator.		<input checked="" type="checkbox"/> YES or <input type="checkbox"/> NO
Sample Date: 11/21/2008	Type of Sample: <input checked="" type="checkbox"/> COMPOSITE SAMPLE <input type="checkbox"/> GRAB SAMPLE	
Laboratory: Trace Analytical Laboratories, Inc.	Sampler's Employer:	
Sample ID Numbers: OATER-112108-13-SL		
Sampler's Name (printed):		Signature:

**GENERATOR WASTE PROFILE SHEET (continued)**

Page 2 of 2

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components		% by Weight (range)				
1. Soil		100.000				
2.						
3.						
4.						
5.						
Color	Odor (describe)	Free Liquids <input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO Content _____ %	% Solids	pH:	Flash Point	Phenol
Black/Brown	None		100.00	7	>200 °F	0 ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?	<input checked="" type="checkbox"/> Yes or <input type="checkbox"/> No

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste.

Authorized Representative Name And Title (Printed)

Company Name

Authorized Representative Signature

Date

VII. Allied Waste Decision

Approved <input type="checkbox"/>	Rejected <input type="checkbox"/>	Expiration Date:
Name, Title	Signature	Date

Conditions:

12-30-08

12:07pm

From-US EPA RS/1

+734 692 7677

T-882 P.002/007



GENERATOR WASTE PROFILE SHEET

Page 1

Requested Disposal Facility:

~~Selected Facility~~
an Allied Waste Company

Waste Profile #

AWI Sales Rep:

Date: 12/12/2008

I. Generator Information

Generator Name: USEPA/Texas Township Drum Site			
Generator Site Address: 10135 West O Ave.			
City: Kalamazoo/49009	County:	State: Michigan	Zip: 49009
State ID/Reg No:	State Approval/Waste Code:	(if applicable)	SIC Code:
Generator Mailing Address (if different): 10135 West O Ave.			
City: Kalamazoo/49009	County:	State: Michigan	Zip: 49009
Generator Contact Name: P.C. Lall		Email: lall.partap@epa.gov	
Phone Number: (734) 692-7685		Fax Number: (734) 692-7677	

IIa. Transporter Information

Transporter Name: Allied Waste		Contact Name:	
Transporter Address: G-5305 North Dort Hwy			
City:	County:	State:	Zip:
Phone Number:	Fax Number:	State Transportation Number:	

IIb. Billing Information

Bill To: Environmental Quality Management		Contact Name: Steve Letany	
Billing Address: 1800 Carillon Blvd		Email: sletany@eqm.com	
City: Cincinnati	State: OH	Zip: 45240	Phone: (800) 500-0575 Fax: (513) 825-9728

III. Waste Stream Information

Name of Waste: Non Hazardous Soil	
Process Generating Waste: USEPA Cercla cleanup site, Soil from pit area	
Type of Waste: <input checked="" type="checkbox"/> INDUSTRIAL PROCESS WASTE or <input checked="" type="checkbox"/> POLLUTION CONTROL WASTE	
Physical State: <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> POWDER <input type="checkbox"/> LIQUID <input type="checkbox"/> OTHER:	
Method of Shipment: <input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER:	
Estimated Annual Volume: 35 Tons	
Frequency: <input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ON GOING	
Special Handling Instructions: A portion of the waste will be shipped in Young's boxes, Allied will haul the remainder	

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?
If testing is older than one year, please explain how it is still representative of the waste. Please add a letter of explanation from the generator.

☒ YES or ☐ NO

Sample Date: 11/21/2008

Type of Sample: ☒ COMPOSITE SAMPLE ☐ GRAB SAMPLE

Laboratory: Trace Analytical Laboratories, Inc.

Sampler's Employer: Weston Solutions Inc.

Sample ID Numbers: OATER-112108-13-SL

Sampler's Name (printed): Matthew Beer

Signature: Matthew Beer

**GENERATOR WASTE PROFILE SHEET (continued)**

Page 2 of 2

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components		% by Weight (range)				
1. Soil		100.000				
2.						
3.						
4.						
5.						
Color	Odor (describe)	Free Liquids <input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO Content _____ %	% Solids	pH:	Flash Point	Phenol
Black/Brown	None		100.00	7	>200 °F	0 ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?	<input checked="" type="checkbox"/> Yes or <input type="checkbox"/> No

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste.

Authorized Representative Name And Title (Printed)

Company Name

Authorized Representative Signature

Date

VII. Allied Waste Decision

Approved <input type="checkbox"/>	Rejected <input type="checkbox"/>	Expiration Date:
Name, Title	Signature	Date

Conditions:

Confirmation Report - Memory Send

Page : 001
Date & Time: 12-30-08 12:34pm
Line 1 : +734 692 7677
Machine ID : US EPA RS/1

Job number : 044
Date : 12-30 12:32pm
To : 916168377607
Number of pages : 003
Start time : 12-30 12:32pm
End time : 12-30 12:34pm
Pages sent : 003
Status : OK

Job number : 044

*** SEND SUCCESSFUL ***

United States Environmental Protection Agency
Region 5
Emergency Response Branch
Response Section 1, SE-GI
9311 Groh Road, Grosse Ile, MI 48138
Verification No.: 734-692-7660
Facsimile No.: 734-692-7677

FACSIMILE COVER SHEET

DATE: 12-30-08
TO: Tom Moose
OFFICE: Alcid Waste
FAX NO: 616 837-7607
FROM: PC Call
NO. PAGES: 3 (INCLUDING COVER SHEET)
COMMENTS:



Mercury Waste Solutions, LLC

WASTE MATERIAL PROFILE (F)

Approval #:

(Office Use Only)

I. GENERATOR INFORMATION

GENERATOR NAME:	<u>USEPA/Texas Drum Site</u>	BILL TO:	<u>Environmental Quality</u>
GENERATOR ADDRESS:	<u>10135 West O Ave</u>	CONTACT:	<u>Mark Douglas</u>
	<u>Kalamazoo, Michigan, 49009</u>	PHONE:	<u>513-309-3062</u>
GENERATOR CONTACT:	<u>PC Lall</u>	ADDRESS:	<u>1800 Carillon Blvd</u>
GEN. PHONE:			<u>Cincinnati, OH</u>
GEN. FAX:		GEN. EPA ID #:	<u>MIK 763 469 723</u>
WASTE DESCRIPTION:	<u>Mercury contaminated Debris</u>		
COMMON NAME:	<u>Mercury Debris</u>		
PROCESS GENERATING WASTE:	<u>Mercury contaminated debris from spill clean-up, demolition, remedial action</u>		

II. WASTE CHARACTERIZATION

CONSTITUENTS: (Must be \geq 100%)

Debris	99	100	%		-	%
Mercury	0	1	%		-	%
			%		-	%
			%		-	%

PROPERTIES:

Liquid: 0 % Density: 8-12 lbs/gal Special Handling Requirements: (if applicable)
Solid: 100 % pH: 6-9
Sludge: % Flashpoint: >200 °F

SHIPPING INFORMATION:

Proper DOT Shipping Name: **"RQ", Hazardous Waste, Solid, N.O.S. (Mercury),**

Hazard Class: 9 UN/NA Number: NA3077 Packing Group III ERG # 171
Reportable Quantity: 11b EPA Hazardous Waste Codes (if applicable): D009

III. WASTE MATERIALS METAL CONTENT

METALS:	LEVELS (ppm or mg/l):	METALS:	LEVELS (ppm or mg/l):
Arsenic	<u><5.0<0.3</u>	Barium	<u><100.0 1.1</u>
Cadmium	<u><1.00.33</u>	Chromium	<u><5.0<0.5</u>
Lead	<u><5.0<0.5</u>	Mercury	<u>970 ppm</u>
Selenium	<u><1.0<0.6</u>	Silver	<u><5.0<0.1</u>
Nickel	<u><5.0</u>	Thallium	<u><5.0</u>
Copper	<u><5.0</u>	Zinc	<u><5.0</u>

IV. PACKAGING INFORMATION

Drum: ☐ Type/Size: 20 yd rolloff box Cu Yd Box: ☐ Cu Yd Bag: ☐
Other (please describe): 20 yd rolloff box

Anticipated Volume per Shipment: 20 yd

Mercury Waste Solutions, LLC

V. WASTE MATERIALS INCLUDED

For materials marked with an (*) please provide additional detail in the space provided below.

- | | | | |
|--|---|--|---|
| <input checked="" type="checkbox"/> Mercury Debris | <input type="checkbox"/> Thermometers, etc. | <input type="checkbox"/> Regulators | <input type="checkbox"/> Mercury in Soil |
| <input type="checkbox"/> Fluorescent Tubes | <input type="checkbox"/> Batteries (Varied) | <input type="checkbox"/> COD Solution | <input type="checkbox"/> Mercury in Glass |
| <input type="checkbox"/> Phosphate Powder | <input type="checkbox"/> Mercury Batteries | <input type="checkbox"/> Solid Compounds* | <input type="checkbox"/> Mercury in Metal |
| <input type="checkbox"/> Crushed Lamps | <input type="checkbox"/> Mercury Relays | <input type="checkbox"/> Liquid Compounds* | <input type="checkbox"/> Carbon |
| <input type="checkbox"/> HID Lamps | <input type="checkbox"/> Mercury Switches | <input type="checkbox"/> Sludges* | <input type="checkbox"/> Dental Materials |
| <input type="checkbox"/> Other: _____ | | | |

VI. SPECIAL CHARACTERISTICS

DOES ANY OF THE WASTE MATERIAL CONTAIN ANY OF THE FOLLOWING CHARACTERISTICS?:

	YES	NO
HAZARDOUS CHARACTERISTICS (other than mercury).....	<input type="checkbox"/>	X
BTU VALUE > 5,000 BTU/LB. (other than those listed in 40CFR266 Appendix VIII)	<input type="checkbox"/>	X
MERCURY COMPOUNDS (other than oxide or sulfide).....	<input type="checkbox"/>	X
REACTIVES.....	<input type="checkbox"/>	X
CORROSIVES (Complete Underlying Hazardous Constituents on LDR Notification)	<input type="checkbox"/>	X
IGNITABLE	<input type="checkbox"/>	X
AQUEOUS SOLUTIONS	<input type="checkbox"/>	X
ORGANIC COMPOUNDS	<input type="checkbox"/>	X
CONTAINS > 500 PPM OF ANY 40 CFR PART 261 APPENDIX VIII CONSTITUENTS	<input type="checkbox"/>	X
IS THIS WASTE SUBJECT TO SUBPART CC REGULATIONS (i.e. contains \geq 500 ppm Volatile Organic Compounds (VOCs))	<input type="checkbox"/>	X
UNDERLYING HAZARDOUS CONSTITUENTS, OTHER THAN MERCURY, LISTED IN 40CFR268.48	X	<input type="checkbox"/>
IS THIS MATERIAL REGULATED UNDER THE TOXIC SUBSTANCE CONTROL ACT (TSCA) FOR PCBs?	<input type="checkbox"/>	X

IF YES WAS ANSWERED TO ANY ITEM ABOVE, PLEASE EXPLAIN:

VOCs are under 500 ppm

UHC Tetrachloroethane 8.9.6 mg/kg, Xylenes 43.8 mg/kg, Naphthalene 140 mg/kg, Fluorene 7.4 mg/kg

Phenanthrene 250 mg/kg, Anthracene 6.3mg/kg, Fluoranthene 140 mg/kg, Butyl benzyl phthalate 390/mg/kg

GENERATOR CERTIFICATION

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS CONTAIN TRUE AND ACCURATE DESCRIPTIONS OF THE WASTE. ALL RELEVANT INFORMATION REGARDING KNOWN OR SUSPECTED HAZARDS IN THE POSSESSION OF THIS GENERATOR HAS BEEN DISCLOSED.

SIGNATURE

fc 104

DATE

11-26-08

PRINT OR TYPE NAME AND TITLE

***NOTE:** GENERATORS SHIPPING WASTE MATERIALS TO MWS MUST RE-CERTIFY THEIR WASTE STREAMS ANNUALLY